



National Weather Service

Storm Data and Unusual Weather Phenomena



July 1998

| Location | Date | Time Local/ Standard | Path Length (Miles) | Path Width (Yards) | Number of Persons | | Estimated Damage | Character of Storm |
|----------|------|----------------------------|---------------------------|--------------------------|----------------------|---------|---------------------|--------------------|
| | | | | | Killed | Injured | Property Crops | |

ILLINOIS, South

ILZ087-092

GALLATIN - ALEXANDER

01 0001CST
09 2200CST

0

0

FLOOD

The Ohio River, which had been above flood stage at Cairo in late June, finally fell below flood stage there on the 9th of July. The flood stage at Cairo is 40 feet, and a crest of 42.6 feet was observed on the 6th. Further upstream at Shawneetown, the Ohio River was above flood stage from the 3rd to the 7th as a result of heavy rain on the 3rd. Flood stage at Shawneetown is 33 feet, and a crest of 35.8 feet was observed on the 5th. This resulted in minor flooding of agricultural bottomland.

ILZ084

JACKSON

01 0001CST
15 1000CST

0

0

5K

FLOOD

The Big Muddy River, which had been above flood stage since mid June, crested at 23.8 feet at Murphysboro on the 4th. Flood stage at Murphysboro is 16 feet. Flooding was mainly confined to low-lying farm fields and parks near the river. Backwater from flooding on the Mississippi River contributed to the high levels on the Big Muddy River.

PULASKI County
COUNTYWIDE

03 1140CST
1300CST

0

0

10K

URBAN/SML STREAM FLD

A slow-moving area of thunderstorms dumped very heavy rain across the county. A spotter reported up to 5 inches of rain in the Mound City area.

ILZ092

ALEXANDER

04 0200CST
06 2200CST

0

0

FLOOD

The Mississippi River crested just a few inches above the flood stage of 33 feet at Thebes. The crest occurred late in the evening of the 5th. Very minor flooding of low-lying agricultural bottomland occurred.

INDIANA, Southwest

INZ085

POSEY

01 0001CST
03 1700CST

0

0

FLOOD

The Wabash River, which had been above flood stage at New Harmony since June 19, fell below flood stage on July 3. The river was at 16.9 feet at New Harmony on July 1, about 2 feet above flood stage. Flooding was mainly confined to agricultural bottomlands.

INZ087

WARRICK

04 1000CST
2300CST

0

0

FLOOD

The Ohio River crested just a few inches above the 38-foot flood stage at Newburgh. Very minor flooding of low lying agricultural bottomland occurred.

PIKE County
PETERSBURG

07 1450CST

0

0

Hail (0.75)

PIKE County
WINSLOW

07 1515CST
1520CST

0

0

THUNDERSTORM WIND (G55)

PIKE County
COUNTYWIDE

07 1545CST
1800CST

0

0

20K

FLASH FLOOD

Thunderstorms dumped very heavy rain over the county. Spotters reported 2 to 4 inches of rain fell within 3 hours, mainly over north portions of the county. Spotters reported 3 to 4 inches of water was over some roads in the Winslow area.

GIBSON County
4 S PRINCETON

13 1730CST
1900CST

0

0

URBAN/SML STREAM FLD

Thunderstorms produced over 2 inches of rain in parts of Gibson County. State police reported water across U.S. Highway 41 and Highway 168.

KENTUCKY, Southwest

BALLARD County
WICKLIFFE

03 1100CST

0

0

30K

LIGHTNING



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|--|------|----------------------------|---------------------------|--------------------------|--|---------------------------------------|----------------------|
| <u>KENTUCKY, Southwest</u> | | | | | | | |
| A home burned after its radio antenna tower was struck by lightning, which ignited a blaze in the attic. | | | | | | | |
| BALLARD County COUNTYWIDE | 03 | 1145CST 1300CST | | | 0 0 | 5K | URBAN/SML STREAM FLD |
| MCCRACKEN County COUNTYWIDE | 03 | 1145CST 1300CST | | | 0 0 | 5K | URBAN/SML STREAM FLD |
| Thunderstorms dumped 2.8 inches of rain in three to four hours at the Paducah National Weather Service office. Minor street flooding occurred in the Paducah area, and some secondary roads were briefly flooded in Ballard County. | | | | | | | |
| MCCRACKEN County EAST PORTION | 15 | 1230CST 1500CST | | | 0 0 | 50K | FLASH FLOOD |
| Major flash flooding was reported in Reidland. Three to four feet of water covered parts of Calvert Drive. An unofficial rainfall report of 11 inches was received from Reidland, and at the Reidland Sewer Plant, the rain gage overflowed at 5 inches. The Canterbury subdivision received considerable flooding. Two parking lots and other low-lying areas were flooded. Five cars were damaged after floating into each other in a parking lot. | | | | | | | |
| GRAVES County MAYFIELD | 15 | 1830CST 2300CST | | | 0 0 | 30K | FLASH FLOOD |
| MARSHALL County CALVERT CITY | 15 | 1830CST 2300CST | | | 0 0 | 10K | FLASH FLOOD |
| Slow-moving thunderstorms dumped about one inch of rain per hour, and isolated locations received 2 inches of rain in 45 minutes. In Graves County, four families were evacuated from their homes in Mayfield. Two streets in Mayfield were closed for about two hours because they became impassable. Extensive flooding took place around bridges on Tenth and 12th Streets in Mayfield. At the Sedalia Y near Mayfield, three families were evacuated due to rapidly rising water. In the Symsonia area of Graves County, 3 to 4 feet of water was over State Route 534. Rainfall totals ranged from 4 to 4.5 inches in many areas of Mayfield. In Marshall County, street flooding occurred in Calvert City. | | | | | | | |
| CRITTENDEN County SOUTH PORTION | 15 | 1830CST 2100CST | | | 0 0 | | FLASH FLOOD |
| LIVINGSTON County SOUTH PORTION | 15 | 1830CST 2100CST | | | 0 0 | 15K | FLASH FLOOD |
| LYON County NORTH PORTION | 15 | 1900CST 2100CST | | | 0 0 | | FLASH FLOOD |
| Slow-moving thunderstorms dumped very heavy rain, with estimates of up to 2 inches in 45 minutes. Driveways were washed out in Livingston County. | | | | | | | |
| CALLOWAY County COUNTYWIDE | 15 | 2115CST 2300CST | | | 0 0 | | FLASH FLOOD |
| MCCRACKEN County PADUCAH | 30 | 1700CST | | | 0 0 | 20K | LIGHTNING |
| Nearly continuous lightning from a very strong thunderstorm caused scattered damage in and near Paducah. Two direct lightning strikes on the runway lighting system at Barkley Regional Airport caused the cancellation of the only two evening commercial passenger flights. Small electrical fires were started by lightning at two separate houses in Paducah, and a tree was downed by lightning in the city. | | | | | | | |
| MCCRACKEN County COUNTYWIDE | 30 | 1800CST 2100CST | | | 0 0 | 50K | FLASH FLOOD |
| CALLOWAY County COUNTYWIDE | 30 | 1830CST 2200CST | | | 0 0 | | FLASH FLOOD |
| FULTON County COUNTYWIDE | 30 | 1830CST 2200CST | | | 0 0 | 20K | FLASH FLOOD |



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KENTUCKY, Southwest

MARSHALL County COUNTYWIDE

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|-----|--|-------------|
| 30 | 1830CST 2200CST | | | | 0 | 0 | 20K | | FLASH FLOOD |
|----|--------------------|--|--|--|---|---|-----|--|-------------|

Thunderstorms produced very heavy rain over parts of far west Kentucky. Rainfall rates at the National Weather Service in Paducah were close to 2.5 inches in one hour. Flooding occurred in the terminal building at Barkley Regional Airport. Water covered parts of U.S. Highway 60 near Barkley Airport. Culverts and streets were overflowing in Marshall County. Numerous roads were under water in Fulton County.

MISSOURI, Southeast

MOZ087

CAPE GIRARDEAU

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|-------|
| 01 | 0001CST | | | | 0 | 0 | | | FLOOD |
| 16 | 0800CST | | | | | | | | |

The Mississippi River remained above flood stage at Cape Girardeau from late June through July 16. A crest of 33.8 feet on the 5th of July was less than two feet over flood stage. Flooding was generally limited to bottomland agricultural areas and river roads.

PERRY County PERRYVILLE

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|-------------------------|
| 04 | 0020CST | | | | 0 | 0 | | | THUNDERSTORM WIND (G52) |
|----|---------|--|--|--|---|---|--|--|-------------------------|

Trees were down in Perryville.

MOZ076-086>087-100- 107>112-114

PERRY - BOLLINGER - CAPE GIRARDEAU - WAYNE - CARTER - RIPLEY - BUTLER - STODDARD - SCOTT - MISSISSIPPI - NEW MADRID

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|----------------|
| 18 | 1200CST | | | | 0 | 3 | | | EXCESSIVE HEAT |
| 21 | 2200CST | | | | | | | | |

Several days of excessive heat and humidity caused heat stress on those who were unprepared. Daytime highs were in the middle 90s with afternoon heat indices up to 110 degrees. Three heat-related illnesses were reported at local hospitals. The Salvation Army distributed 20 fans at no charge to needy persons suffering from the heat.

CARTER County VAN BUREN

| | | | | | | | | | |
|----|---------|--|--|--|---|---|----|--|-------------------------|
| 22 | 1438CST | | | | 0 | 0 | 3K | | THUNDERSTORM WIND (G52) |
|----|---------|--|--|--|---|---|----|--|-------------------------|

Numerous trees were downed in Van Buren.

CARTER County VAN BUREN

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|-----------|
| 22 | 1510CST | | | | 0 | 2 | | | LIGHTNING |
|----|---------|--|--|--|---|---|--|--|-----------|

Two river enthusiasts were injured by lightning on the Current River.

RIPLEY County 3 S DONIPHAN

| | | | | | | | | | |
|----|---------|--|--|--|---|---|--|--|-------------------------|
| 22 | 1615CST | | | | 0 | 0 | | | THUNDERSTORM WIND (G50) |
|----|---------|--|--|--|---|---|--|--|-------------------------|

Two trees were down on Y Highway.

BUTLER County COUNTYWIDE

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|--|--|-------------|
| 24 | 0630CST 0900CST | | | | 0 | 0 | | | FLASH FLOOD |
|----|--------------------|--|--|--|---|---|--|--|-------------|

At the Poplar Bluff automated observing station, 1.34 inches of rain fell in 40 minutes, with almost 2.5 inches in two hours.

STODDARD County COUNTYWIDE

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|-----|--|-------------|
| 27 | 0500CST 0930CST | | | | 0 | 0 | 20K | | FLASH FLOOD |
|----|--------------------|--|--|--|---|---|-----|--|-------------|

A band of thunderstorms remained stationary from central Missouri to the Missouri Bootheel. Rain quickly flooded many low-lying parts of Stoddard County, especially the Dexter area. Water was over Business Route 60 in Dexter and Highway 25 south of Dexter. Some gravel roads were washed out west of Bloomfield. A weather watcher for a television station reported 4.25 inches of rain in Dexter.

BUTLER County EAST PORTION

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|-----|--|-------------|
| 27 | 0500CST 0730CST | | | | 0 | 0 | 20K | | FLASH FLOOD |
|----|--------------------|--|--|--|---|---|-----|--|-------------|

NEW MADRID County WEST PORTION

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|--|--|-------------|
| 27 | 0500CST 0730CST | | | | 0 | 0 | | | FLASH FLOOD |
|----|--------------------|--|--|--|---|---|--|--|-------------|

WAYNE County SOUTH PORTION

| | | | | | | | | | |
|----|--------------------|--|--|--|---|---|-----|--|-------------|
| 27 | 0500CST 0730CST | | | | 0 | 0 | 20K | | FLASH FLOOD |
|----|--------------------|--|--|--|---|---|-----|--|-------------|

A band of thunderstorms persisted for several hours from central Missouri to the Bootheel of Missouri. This resulted in very heavy



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MISSOURI, Southeast

rainfall totals, with estimates of up to 1.5 inches per hour. Over some areas of eastern Butler County, rainfall estimates were as much as 4 to 5 inches within a 6 hour period. According to a local radio station in Poplar Bluff, 8.5 inches of rain was recorded within a 24 hour period. In eastern Butler County, some shoulders along roads were damaged, and secondary roads were water covered. In Wayne County, a section of T Highway and another secondary road near Wappapello were flooded. At Wappapello Lake, over 4.5 inches of rain fell, causing the lake level to rise fairly quickly. A beach on the lake was closed.

RIPLEY County COUNTYWIDE

**29 0545CST
0800CST** **0 0 10K** **FLASH FLOOD**

Thunderstorms produced very heavy rainfall over much of the county. A cooperative observer in Doniphan recorded 1.26 inches of rain in 20 minutes. Up to 2 feet of water was reported over an extensive stretch of Highway 160 in western parts of the county.

WAYNE County GREENVILLE

30 1630CST **0 0 20K** **THUNDERSTORM WIND (G55)**

A trailer was blown over, and trees were down.

WAYNE County 5 E WILLIAMSVILLE

30 1639CST **0 0** **Hail (2.75)**

Baseball size hail was reported by Wayne County Emergency Management.

WAYNE County PIEDMONT

30 1645CST **0 0 3K** **THUNDERSTORM WIND (G50)**

Trees were blown down.

BUTLER County POPLAR BLUFF

30 1730CST **0 0** **THUNDERSTORM WIND (G52)**

Wind gusts near 60 MPH were reported by an off-duty National Weather Service meteorologist.

BUTLER County POPLAR BLUFF

30 1751CST **0 0** **Hail (1.00)**

NEW MADRID County .5 W RISCO

30 1800CST **0 0** **FUNNEL CLOUD**

Spotters indicated a funnel cloud came very near to touching ground. This funnel cloud was on the leading edge of a line of thunderstorms. This indicates it was a "gustnado" type of phenomenon.

BUTLER County COUNTYWIDE

**30 1800CST
2200CST** **0 0** **FLASH FLOOD**

RIPLEY County COUNTYWIDE

**30 1800CST
2200CST** **0 0 20K** **FLASH FLOOD**

Thunderstorms produced very heavy rain. A cooperative observer in Poplar Bluff measured 3.2 inches of rain in about two hours. Highway H in Ripley County was under water.

RIPLEY County GATEWOOD

30 1830CST **0 0 3K** **THUNDERSTORM WIND (G52)**

Trees were down across a road.